

Beringer, Carrie

From: Tarka, Michelle <Michelle.Tarka@epa.state.oh.us>
Sent: Friday, August 02, 2013 8:21 AM
To: Beringer, Carrie; Waggle, Vince; Davis, Jim
Subject: FW: Heritage Wipe Samples
Attachments: J27274-1 UDS Level 2 Report Final Report.pdf

From: Zingales, Frank
Sent: Thursday, August 01, 2013 8:02 AM
To: Tarka, Michelle
Subject: FW: Heritage Wipe Samples

From: Zingales, Frank
Sent: Wednesday, July 31, 2013 4:31 PM
To: Oryshkewych, Natalie (Natalie.Oryshkewych@epa.state.oh.us); Popotnik, Frank (Frank.Popotnik@epa.state.oh.us)
Subject: Heritage Wipe Samples

Results attached. The values are reported in mg/wipe which equates to mg/100cm² (100cm² represents the area that was wiped by Heritage).

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Canton

4101 Shuffel Street NW

North Canton, OH 44720

Tel: (330)497-9396

TestAmerica Job ID: 240-27274-1

Client Project/Site: Heritage Thermal - TNE-130715-HW

For:

Ohio EPA-NEDO

2110 East Aurora Road

Twinsburg, Ohio 44087

Attn: Frank Zingales

Denise Pohl

Authorized for release by:

7/31/2013 3:46:26 PM

Denise Pohl, Project Manager II

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
L	A negative instrument reading had an absolute value greater than the reporting limit.
U	Indicates the analyte was analyzed for but not detected.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	Description
D	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Ohio EPA-NEDO
Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Job ID: 240-27274-1

Laboratory: TestAmerica Canton

Narrative

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CASE NARRATIVE

Client: Ohio EPA-NEDO

Project: Heritage Thermal - TNE-130715-HW

Report Number: 240-27274-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

TestAmerica Canton attests to the validity of the laboratory data generated by TestAmerica facilities reported herein. All analyses performed by TestAmerica facilities were done using established laboratory SOPs that incorporate QA/QC procedures described in the application methods. TestAmerica's operations groups have reviewed the data for compliance with the laboratory QA/QC plan, and data have been found to be compliant with laboratory protocols unless otherwise noted below.

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

All solid sample results are reported on an "as received" basis unless otherwise indicated by the presence of a % solids value in the method header.

This laboratory report is confidential and is intended for the sole use of TestAmerica and its client.

RECEIPT

The samples were received on 07/16/2013 and 07/22/2013; the samples arrived in good condition. The temperature of the coolers at receipt was 21.4 C.

TOTAL METALS IN WASTE (ICP)

Samples NITRIC ACID (240-27274-9), 1:1 NITRIC ACID (240-27274-10), HCL (240-27274-11) and H₂O₂ (240-27274-13) were analyzed for total metals in waste (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 07/29/2013 and analyzed on 07/30/2013.

Zinc was detected in method blank MB 240-95346/1-A at a level exceeding the reporting limit. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Barium, Calcium, Magnesium and Potassium were detected in method blank MB 240-95346/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

Case Narrative

Client: Ohio EPA-NEDO
Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Job ID: 240-27274-1 (Continued)

Laboratory: TestAmerica Canton (Continued)

TOTAL METALS (ICP)

Samples 1147 OHIO-SLIDE (240-27274-1), CENTRAL+OHIO-CHEVY S-10 (240-27274-2), VIRGINA (N OF ALLEY) (240-27274-3), GREEN METER PANEL MULB+ST GEORGE (240-27274-4), 2008 NEEDHAM BASKETBALL HOOP BASE (240-27274-5), AKRON+OHIO BASKETBALL HOOP BASE (240-27274-6), 809 OHIO-GREY MAIL BOX (240-27274-7), RR SIGNAL-MULLBERRY (240-27274-8) and GAUZE PAD (240-27274-12) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 07/29/2013 and analyzed on 07/30/2013 and 07/31/2013.

Barium and Magnesium were detected in method blank MB 240-95363/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

Samples 1147 OHIO-SLIDE (240-27274-1)[10X], CENTRAL+OHIO-CHEVY S-10 (240-27274-2)[10X], VIRGINA (N OF ALLEY) (240-27274-3)[5X] and 2008 NEEDHAM BASKETBALL HOOP BASE (240-27274-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Method(s) 3050B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with batch 95363, samples 1147 OHIO-SLIDE (240-27274-1), 2008 NEEDHAM BASKETBALL HOOP BASE (240-27274-5), 809 OHIO-GREY MAIL BOX (240-27274-7), AKRON+OHIO BASKETBALL HOOP BASE (240-27274-6), CENTRAL+OHIO-CHEVY S-10 (240-27274-2), GAUZE PAD (240-27274-12), GREEN METER PANEL MULB+ST GEORGE (240-27274-4), RR SIGNAL-MULLBERRY (240-27274-8), VIRGINA (N OF ALLEY) (240-27274-3)

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

Method Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL CAN

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

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Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Sample Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
240-27274-1	1147 OHIO-SLIDE	Wipe	07/15/13 16:00	07/16/13 14:05
240-27274-2	CENTRAL+OHIO-CHEVY S-10	Wipe	07/15/13 16:10	07/16/13 14:05
240-27274-3	VIRGINIA (N OF ALLEY)	Wipe	07/15/13 16:10	07/16/13 14:05
240-27274-4	GREEN METER PANEL MULB+ST GEORGE	Wipe	07/15/13 16:20	07/16/13 14:05
240-27274-5	2008 NEEDHAM BASKETBALL HOOP BASE	Wipe	07/15/13 16:20	07/16/13 14:05
240-27274-6	AKRON+OHIO BASKETBALL HOOP BASE	Wipe	07/15/13 16:39	07/16/13 14:05
240-27274-7	809 OHIO-GREY MAIL BOX	Wipe	07/15/13 16:46	07/16/13 14:05
240-27274-8	RR SIGNAL-MULLBERRY	Wipe	07/15/13 16:57	07/16/13 14:05
240-27274-9	NITRIC ACID	Waste	07/19/13 10:00	07/22/13 13:48
240-27274-10	1:1 NITRIC ACID	Waste	07/19/13 10:00	07/22/13 13:48
240-27274-11	HCL	Waste	07/19/13 10:00	07/22/13 13:48
240-27274-12	GAUZE PAD	Wipe	07/19/13 10:00	07/22/13 13:48
240-27274-13	H2O2	Waste	07/19/13 10:00	07/22/13 13:48

Detection Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: 1147 OHIO-SLIDE

Lab Sample ID: 240-27274-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	5.6		0.020	0.0096	mg/wipe	1	6010B	Total/NA	
Antimony	0.037		0.0060	0.00039	mg/wipe	1	6010B	Total/NA	
Arsenic	0.76		0.0010	0.00030	mg/wipe	1	6010B	Total/NA	
Barium	0.62 B		0.020	0.000071	mg/wipe	1	6010B	Total/NA	
Cadmium	0.12		0.00050	0.000036	mg/wipe	1	6010B	Total/NA	
Calcium	13		0.50	0.016	mg/wipe	1	6010B	Total/NA	
Chromium	0.046		0.0010	0.00020	mg/wipe	1	6010B	Total/NA	
Cobalt	0.031		0.0050	0.00016	mg/wipe	1	6010B	Total/NA	
Copper	1.1		0.0025	0.00074	mg/wipe	1	6010B	Total/NA	
Iron	6.0		0.010	0.0049	mg/wipe	1	6010B	Total/NA	
Lead	3.3		0.0030	0.0019	mg/wipe	10	6010B	Total/NA	
Magnesium	2.5 B		0.50	0.0051	mg/wipe	1	6010B	Total/NA	
Manganese	0.20		0.0015	0.000074	mg/wipe	1	6010B	Total/NA	
Nickel	2.0		0.0040	0.00027	mg/wipe	1	6010B	Total/NA	
Potassium	4.1		0.50	0.0062	mg/wipe	1	6010B	Total/NA	
Selenium	0.0012		0.00050	0.000045	mg/wipe	1	6010B	Total/NA	
Silver	0.028		0.0010	0.00010	mg/wipe	1	6010B	Total/NA	
Sodium	5.5		0.50	0.066	mg/wipe	1	6010B	Total/NA	
Thallium	0.0038		0.0010	0.00055	mg/wipe	1	6010B	Total/NA	
Vanadium	0.038		0.0050	0.00012	mg/wipe	1	6010B	Total/NA	
Zinc	7.2		0.050	0.010	mg/wipe	10	6010B	Total/NA	

Client Sample ID: CENTRAL+OHIO-CHEVY S-10

Lab Sample ID: 240-27274-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4.8		0.020	0.0096	mg/wipe	1	6010B	Total/NA	
Antimony	0.031		0.0060	0.00039	mg/wipe	1	6010B	Total/NA	
Arsenic	0.68		0.0010	0.00030	mg/wipe	1	6010B	Total/NA	
Barium	0.52 B		0.020	0.000071	mg/wipe	1	6010B	Total/NA	
Cadmium	0.12		0.00050	0.000036	mg/wipe	1	6010B	Total/NA	
Calcium	11		0.50	0.016	mg/wipe	1	6010B	Total/NA	
Chromium	0.040		0.0010	0.00020	mg/wipe	1	6010B	Total/NA	
Cobalt	0.028		0.0050	0.00016	mg/wipe	1	6010B	Total/NA	
Copper	0.94		0.0025	0.00074	mg/wipe	1	6010B	Total/NA	
Iron	5.1		0.010	0.0049	mg/wipe	1	6010B	Total/NA	
Lead	2.8		0.0030	0.0019	mg/wipe	10	6010B	Total/NA	
Magnesium	2.3 B		0.50	0.0051	mg/wipe	1	6010B	Total/NA	
Manganese	0.19		0.0015	0.000074	mg/wipe	1	6010B	Total/NA	
Nickel	1.8		0.0040	0.00027	mg/wipe	1	6010B	Total/NA	
Potassium	4.0		0.50	0.0062	mg/wipe	1	6010B	Total/NA	
Selenium	0.00099		0.00050	0.000045	mg/wipe	1	6010B	Total/NA	
Silver	0.025		0.0010	0.00010	mg/wipe	1	6010B	Total/NA	
Sodium	5.6		0.50	0.066	mg/wipe	1	6010B	Total/NA	
Thallium	0.0038		0.0010	0.00055	mg/wipe	1	6010B	Total/NA	
Vanadium	0.032		0.0050	0.00012	mg/wipe	1	6010B	Total/NA	
Zinc	6.8		0.050	0.010	mg/wipe	10	6010B	Total/NA	

Client Sample ID: VIRGINA (N OF ALLEY)

Lab Sample ID: 240-27274-3

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: VIRGINA (N OF ALLEY) (Continued)

Lab Sample ID: 240-27274-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1.6		0.020	0.0096	mg/wipe	1	6010B		Total/NA
Antimony	0.010		0.0060	0.00039	mg/wipe	1	6010B		Total/NA
Arsenic	0.16		0.0010	0.00030	mg/wipe	1	6010B		Total/NA
Barium	0.13 B		0.020	0.000071	mg/wipe	1	6010B		Total/NA
Cadmium	0.029		0.00050	0.000036	mg/wipe	1	6010B		Total/NA
Calcium	5.6		0.50	0.016	mg/wipe	1	6010B		Total/NA
Chromium	0.015		0.0010	0.00020	mg/wipe	1	6010B		Total/NA
Cobalt	0.0067		0.0050	0.00016	mg/wipe	1	6010B		Total/NA
Copper	0.23		0.0025	0.00074	mg/wipe	1	6010B		Total/NA
Iron	2.4		0.010	0.0049	mg/wipe	1	6010B		Total/NA
Lead	0.64		0.00030	0.00019	mg/wipe	1	6010B		Total/NA
Magnesium	1.1 B		0.50	0.0051	mg/wipe	1	6010B		Total/NA
Manganese	0.13		0.0015	0.000074	mg/wipe	1	6010B		Total/NA
Nickel	0.47		0.0040	0.00027	mg/wipe	1	6010B		Total/NA
Potassium	1.1		0.50	0.0062	mg/wipe	1	6010B		Total/NA
Silver	0.0060		0.0010	0.00010	mg/wipe	1	6010B		Total/NA
Sodium	1.5		0.50	0.066	mg/wipe	1	6010B		Total/NA
Thallium	0.0012		0.0010	0.00055	mg/wipe	1	6010B		Total/NA
Vanadium	0.0091		0.0050	0.00012	mg/wipe	1	6010B		Total/NA
Zinc	1.6		0.025	0.0050	mg/wipe	5	6010B		Total/NA

Client Sample ID: GREEN METER PANEL MULB+ST GEORGE

Lab Sample ID: 240-27274-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1.0		0.020	0.0096	mg/wipe	1	6010B		Total/NA
Antimony	0.010		0.0060	0.00039	mg/wipe	1	6010B		Total/NA
Arsenic	0.11		0.0010	0.00030	mg/wipe	1	6010B		Total/NA
Barium	0.10 B		0.020	0.000071	mg/wipe	1	6010B		Total/NA
Cadmium	0.020		0.00050	0.000036	mg/wipe	1	6010B		Total/NA
Calcium	2.6		0.50	0.016	mg/wipe	1	6010B		Total/NA
Chromium	0.0094		0.0010	0.00020	mg/wipe	1	6010B		Total/NA
Cobalt	0.0052		0.0050	0.00016	mg/wipe	1	6010B		Total/NA
Copper	0.16		0.0025	0.00074	mg/wipe	1	6010B		Total/NA
Iron	1.4		0.010	0.0049	mg/wipe	1	6010B		Total/NA
Lead	0.46		0.00030	0.00019	mg/wipe	1	6010B		Total/NA
Magnesium	0.54 B		0.50	0.0051	mg/wipe	1	6010B		Total/NA
Manganese	0.050		0.0015	0.000074	mg/wipe	1	6010B		Total/NA
Nickel	0.39		0.0040	0.00027	mg/wipe	1	6010B		Total/NA
Potassium	0.64		0.50	0.0062	mg/wipe	1	6010B		Total/NA
Silver	0.0042		0.0010	0.00010	mg/wipe	1	6010B		Total/NA
Sodium	1.2		0.50	0.066	mg/wipe	1	6010B		Total/NA
Thallium	0.00097 J		0.0010	0.00055	mg/wipe	1	6010B		Total/NA
Vanadium	0.0064		0.0050	0.00012	mg/wipe	1	6010B		Total/NA
Zinc	0.94		0.0050	0.0010	mg/wipe	1	6010B		Total/NA

Client Sample ID: 2008 NEEDHAM BASKETBALL HOOP BASE

Lab Sample ID: 240-27274-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	1.3		0.020	0.0096	mg/wipe	1	6010B		Total/NA
Antimony	0.011		0.0060	0.00039	mg/wipe	1	6010B		Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-27274-1

Project/Site: Heritage Thermal - TNE-130715-HW

**Client Sample ID: 2008 NEEDHAM BASKETBALL HOOP BASE
(Continued)**

Lab Sample ID: 240-27274-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.16		0.0010	0.00030	mg/wipe	1	6010B	Total/NA	5
Barium	0.13	B	0.020	0.000071	mg/wipe	1	6010B	Total/NA	6
Cadmium	0.028		0.00050	0.000036	mg/wipe	1	6010B	Total/NA	7
Calcium	3.3		0.50	0.016	mg/wipe	1	6010B	Total/NA	8
Chromium	0.011		0.0010	0.00020	mg/wipe	1	6010B	Total/NA	9
Cobalt	0.0068		0.0050	0.00016	mg/wipe	1	6010B	Total/NA	10
Copper	0.23		0.0025	0.00074	mg/wipe	1	6010B	Total/NA	11
Iron	1.6		0.010	0.0049	mg/wipe	1	6010B	Total/NA	12
Lead	0.64		0.00030	0.00019	mg/wipe	1	6010B	Total/NA	13
Magnesium	0.66	B	0.50	0.0051	mg/wipe	1	6010B	Total/NA	14
Manganese	0.058		0.0015	0.000074	mg/wipe	1	6010B	Total/NA	15
Nickel	0.50		0.0040	0.00027	mg/wipe	1	6010B	Total/NA	16
Potassium	0.91		0.50	0.0062	mg/wipe	1	6010B	Total/NA	17
Silver	0.0057		0.0010	0.00010	mg/wipe	1	6010B	Total/NA	18
Sodium	1.6		0.50	0.066	mg/wipe	1	6010B	Total/NA	19
Thallium	0.00094	J	0.0010	0.00055	mg/wipe	1	6010B	Total/NA	20
Vanadium	0.0082		0.0050	0.00012	mg/wipe	1	6010B	Total/NA	21
Zinc	1.5		0.025	0.0050	mg/wipe	5	6010B	Total/NA	22

Client Sample ID: AKRON+OHIO BASKETBALL HOOP BASE

Lab Sample ID: 240-27274-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2.9		0.020	0.0096	mg/wipe	1	6010B	Total/NA	5
Antimony	0.0013	J	0.0060	0.00039	mg/wipe	1	6010B	Total/NA	6
Arsenic	0.014		0.0010	0.00030	mg/wipe	1	6010B	Total/NA	7
Barium	0.42	B	0.020	0.000071	mg/wipe	1	6010B	Total/NA	8
Beryllium	0.00021	J	0.00050	0.000043	mg/wipe	1	6010B	Total/NA	9
Cadmium	0.0020		0.00050	0.000036	mg/wipe	1	6010B	Total/NA	10
Calcium	7.8		0.50	0.016	mg/wipe	1	6010B	Total/NA	11
Chromium	0.018		0.0010	0.00020	mg/wipe	1	6010B	Total/NA	12
Cobalt	0.0016	J	0.0050	0.00016	mg/wipe	1	6010B	Total/NA	13
Copper	0.26		0.0025	0.00074	mg/wipe	1	6010B	Total/NA	14
Iron	5.6		0.010	0.0049	mg/wipe	1	6010B	Total/NA	15
Lead	0.067		0.00030	0.00019	mg/wipe	1	6010B	Total/NA	16
Magnesium	2.5	B	0.50	0.0051	mg/wipe	1	6010B	Total/NA	17
Manganese	0.26		0.0015	0.000074	mg/wipe	1	6010B	Total/NA	18
Nickel	0.085		0.0040	0.00027	mg/wipe	1	6010B	Total/NA	19
Potassium	0.48	J	0.50	0.0062	mg/wipe	1	6010B	Total/NA	20
Silver	0.0016		0.0010	0.00010	mg/wipe	1	6010B	Total/NA	21
Sodium	0.35	J	0.50	0.066	mg/wipe	1	6010B	Total/NA	22
Thallium	0.00071	J	0.0010	0.00055	mg/wipe	1	6010B	Total/NA	23
Vanadium	0.0058		0.0050	0.00012	mg/wipe	1	6010B	Total/NA	24
Zinc	0.17		0.0050	0.0010	mg/wipe	1	6010B	Total/NA	25

Client Sample ID: 809 OHIO-GREY MAIL BOX

Lab Sample ID: 240-27274-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.094		0.020	0.0096	mg/wipe	1	6010B	Total/NA	5
Antimony	0.00095	J	0.0060	0.00039	mg/wipe	1	6010B	Total/NA	6

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: 809 OHIO-GREY MAIL BOX (Continued)

Lab Sample ID: 240-27274-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0063		0.0010	0.00030	mg/wipe	1	6010B		Total/NA
Barium	0.011	J B	0.020	0.000071	mg/wipe	1	6010B		Total/NA
Cadmium	0.00063		0.00050	0.000036	mg/wipe	1	6010B		Total/NA
Calcium	0.31	J	0.50	0.015	mg/wipe	1	6010B		Total/NA
Chromium	0.00096	J	0.0010	0.00020	mg/wipe	1	6010B		Total/NA
Cobalt	0.00020	J	0.0050	0.00016	mg/wipe	1	6010B		Total/NA
Copper	0.0089		0.0025	0.00074	mg/wipe	1	6010B		Total/NA
Iron	0.18		0.010	0.0049	mg/wipe	1	6010B		Total/NA
Lead	0.025		0.00030	0.00019	mg/wipe	1	6010B		Total/NA
Magnesium	0.068	J B	0.50	0.0051	mg/wipe	1	6010B		Total/NA
Manganese	0.0065		0.0015	0.000074	mg/wipe	1	6010B		Total/NA
Nickel	0.018		0.0040	0.00027	mg/wipe	1	6010B		Total/NA
Potassium	0.031	J	0.50	0.0062	mg/wipe	1	6010B		Total/NA
Silver	0.0022	J	0.0010	0.00010	mg/wipe	1	6010B		Total/NA
Sodium	0.26	J	0.50	0.066	mg/wipe	1	6010B		Total/NA
Vanadium	0.00046	J	0.0050	0.00012	mg/wipe	1	6010B		Total/NA
Zinc	0.048		0.0050	0.0010	mg/wipe	1	6010B		Total/NA

Client Sample ID: RR SIGNAL-MULLBERRY

Lab Sample ID: 240-27274-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2.0		0.020	0.0096	mg/wipe	1	6010B		Total/NA
Antimony	0.0013	J	0.0060	0.00039	mg/wipe	1	6010B		Total/NA
Arsenic	0.0085		0.0010	0.00030	mg/wipe	1	6010B		Total/NA
Barium	0.031	B	0.020	0.000071	mg/wipe	1	6010B		Total/NA
Cadmium	0.0017		0.00050	0.000036	mg/wipe	1	6010B		Total/NA
Calcium	2.6		0.50	0.018	mg/wipe	1	6010B		Total/NA
Chromium	0.0077		0.0010	0.00020	mg/wipe	1	6010B		Total/NA
Cobalt	0.0014	J	0.0050	0.00015	mg/wipe	1	6010B		Total/NA
Copper	0.035		0.0025	0.00074	mg/wipe	1	6010B		Total/NA
Iron	1.7		0.010	0.0049	mg/wipe	1	6010B		Total/NA
Lead	0.056		0.00030	0.00019	mg/wipe	1	6010B		Total/NA
Magnesium	0.40	J B	0.50	0.0051	mg/wipe	1	6010B		Total/NA
Manganese	0.089		0.0015	0.000074	mg/wipe	1	6010B		Total/NA
Nickel	0.042		0.0040	0.00027	mg/wipe	1	6010B		Total/NA
Potassium	0.11	J	0.50	0.0062	mg/wipe	1	6010B		Total/NA
Silver	0.00046	J	0.0010	0.00010	mg/wipe	1	6010B		Total/NA
Sodium	0.28	J	0.50	0.066	mg/wipe	1	6010B		Total/NA
Vanadium	0.0023	J	0.0050	0.00012	mg/wipe	1	6010B		Total/NA
Zinc	0.12		0.0050	0.0010	mg/wipe	1	6010B		Total/NA

Client Sample ID: NITRIC ACID

Lab Sample ID: 240-27274-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.21	J B	19	0.068	mg/Kg	1	6010B		Total/NA
Magnesium	14	J B	480	4.9	mg/Kg	1	6010B		Total/NA
Potassium	6.6	J B	480	5.9	mg/Kg	1	6010B		Total/NA
Zinc	4.1	J B	4.8	0.95	mg/Kg	1	6010B		Total/NA

Client Sample ID: 1:1 NITRIC ACID

Lab Sample ID: 240-27274-10

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Detection Summary

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-27274-1

Project/Site: Heritage Thermal - TNE-130715-HW

Client Sample ID: 1:1 NITRIC ACID (Continued)

Lab Sample ID: 240-27274-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.15	JB	19	0.068	mg/Kg	1		6010B	Total/NA
Magnesium	14	JB	480	4.9	mg/Kg	1		6010B	Total/NA
Potassium	7.3	JB	480	5.9	mg/Kg	1		6010B	Total/NA

Client Sample ID: HCL

Lab Sample ID: 240-27274-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.27	JB	19	0.068	mg/Kg	1		6010B	Total/NA
Magnesium	14	JB	480	4.9	mg/Kg	1		6010B	Total/NA

Client Sample ID: GAUZE PAD

Lab Sample ID: 240-27274-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.00051	JB	0.020	0.000071	mg/wipe	1		6010B	Total/NA
Calcium	0.045	J	0.50	0.016	mg/wipe	1		6010B	Total/NA
Copper	0.0018	J	0.0025	0.00074	mg/wipe	1		6010B	Total/NA
Iron	0.0080	J	0.010	0.0049	mg/wipe	1		6010B	Total/NA
Lead	0.00031		0.00030	0.00019	mg/wipe	1		6010B	Total/NA
Magnesium	0.029	JB	0.50	0.0051	mg/wipe	1		6010B	Total/NA
Manganese	0.00025	J	0.0015	0.000074	mg/wipe	1		6010B	Total/NA
Nickel	0.00077	J	0.0040	0.00027	mg/wipe	1		6010B	Total/NA
Potassium	0.14	J	0.50	0.0062	mg/wipe	1		6010B	Total/NA
Sodium	0.38	J	0.50	0.066	mg/wipe	1		6010B	Total/NA
Zinc	0.0048	J	0.0050	0.0010	mg/wipe	1		6010B	Total/NA

Client Sample ID: H2O2

Lab Sample ID: 240-27274-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.26	JB	18	0.065	mg/Kg	1		6010B	Total/NA
Magnesium	13	JB	460	4.7	mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: 1147 OHIO-SLIDE

Date Collected: 07/15/13 16:00

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-1

Matrix: Wipe

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5.6		0.020	0.0098	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Antimony	0.037		0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Arsenic	0.76		0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Barium	0.62	B	0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Beryllium	0.00050	UL	0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Cadmium	0.12		0.00050	0.000038	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Calcium	13		0.50	0.018	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Chromium	0.046		0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Cobalt	0.031		0.0050	0.00018	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Copper	1.1		0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Iron	6.0		0.010	0.0049	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Lead	3.3		0.0030	0.0019	mg/wipe		07/29/13 12:59	07/31/13 06:41	10
Magnesium	2.5	B	0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Manganese	0.20		0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Nickel	2.0		0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Potassium	4.1		0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Selenium	0.0012		0.00050	0.00045	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Silver	0.028		0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Sodium	5.5		0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Thallium	0.0038		0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Vanadium	0.038		0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 15:32	1
Zinc	7.2		0.050	0.010	mg/wipe		07/29/13 12:59	07/31/13 06:41	10

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: CENTRAL+OHIO-CHEVY S-10

Date Collected: 07/15/13 16:10

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-2

Matrix: Wipe

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil. Fac
Aluminum	4.8		0.020	0.0096	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Antimony	0.031		0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Arsenic	0.68		0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Barium	0.52	B	0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Beryllium	0.00050	U	0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Cadmium	0.12		0.00050	0.000036	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Calcium	11		0.50	0.016	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Chromium	0.040		0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Cobalt	0.028		0.00050	0.00016	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Copper	0.94		0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Iron	5.1		0.010	0.0049	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Lead	2.8		0.0030	0.0019	mg/wipe		07/29/13 12:59	07/31/13 06:53	10
Magnesium	2.3	B	0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Manganese	0.19		0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Nickel	1.8		0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Potassium	4.0		0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Selenium	0.00099		0.00050	0.00045	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Silver	0.025		0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Sodium	5.6		0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Thallium	0.0036		0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Vanadium	0.032		0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 15:44	1
Zinc	5.8		0.050	0.010	mg/wipe		07/29/13 12:59	07/31/13 06:53	10

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: VIRGINA (N OF ALLEY)

Date Collected: 07/15/13 16:10

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-3

Matrix: Wipe

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil. Fac
Aluminum	1.6		0.020	0.0098	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Antimony	0.010		0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Arsenic	0.16		0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Barium	0.13 B		0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Beryllium	0.00050 U		0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Cadmium	0.029		0.00050	0.000036	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Calcium	5.6		0.50	0.016	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Chromium	0.015		0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Cobalt	0.0067		0.0050	0.00018	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Copper	0.23		0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Iron	2.4		0.010	0.0049	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Lead	0.64		0.00030	0.00019	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Magnesium	1.1 B		0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Manganese	0.13		0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Nickel	0.47		0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Potassium	1.1		0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Selenium	0.00050 U		0.00050	0.00045	mg/wipe		07/29/13 12:59	07/31/13 07:11	1
Silver	0.0060		0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Sodium	1.5		0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Thallium	0.0012		0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Vanadium	0.0091		0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 15:50	1
Zinc	1.6		0.025	0.0050	mg/wipe		07/29/13 12:59	07/31/13 07:17	5

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: GREEN METER PANEL MULB+ST GEORGE

Lab Sample ID: 240-27274-4

Date Collected: 07/15/13 16:20

Matrix: Wipe

Date Received: 07/16/13 14:05

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	1.0		0.020	0.0096	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Antimony	0.010		0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Arsenic	0.11		0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Barium	0.10 B		0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Beryllium	0.00050 U		0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Cadmium	0.020		0.00050	0.000038	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Calcium	2.6		0.50	0.016	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Chromium	0.0094		0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Cobalt	0.0052		0.00050	0.00016	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Copper	0.16		0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Iron	1.4		0.010	0.0049	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Lead	0.46		0.00030	0.00019	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Magnesium	0.54 B		0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Manganese	0.050		0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Nickel	0.39		0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Potassium	0.64		0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Selenium	0.00050 U		0.00050	0.00045	mg/wipe		07/29/13 12:59	07/31/13 07:23	1
Silver	0.0042		0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Sodium	1.2		0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Thallium	0.00097 J		0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Vanadium	0.0064		0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 15:56	1
Zinc	0.94		0.0050	0.0010	mg/wipe		07/29/13 12:59	07/30/13 15:56	1

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: 2008 NEEDHAM BASKETBALL HOOP BASE

Date Collected: 07/15/13 16:20

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-5

Matrix: Wipe

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil. Fac
Aluminum	1.3		0.020	0.0096	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Antimony	0.011		0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Arsenic	0.16		0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Barium	0.13	B	0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Beryllium	0.00050	U	0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Cadmium	0.028		0.00050	0.000036	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Calcium	3.3		0.50	0.016	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Chromium	0.011		0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Cobalt	0.0068		0.0050	0.00018	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Copper	0.23		0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Iron	1.6		0.010	0.0048	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Lead	0.64		0.00030	0.00019	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Magnesium	0.66	B	0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Manganese	0.058		0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Nickel	0.50		0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Potassium	0.91		0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Selenium	0.00050	U	0.00050	0.00045	mg/wipe		07/29/13 12:59	07/31/13 07:28	1
Silver	0.0057		0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Sodium	1.6		0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Thallium	0.00094	J	0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Vanadium	0.0082		0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 16:02	1
Zinc	1.5		0.025	0.0050	mg/wipe		07/29/13 12:59	07/31/13 07:36	5

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-27274-1

Project/Site: Heritage Thermal - TNE-130715-HW

Client Sample ID: AKRON+OHIO BASKETBALL HOOP BASE

Lab Sample ID: 240-27274-6

Date Collected: 07/15/13 16:39

Matrix: Wipe

Date Received: 07/16/13 14:05

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DL Fac
Aluminum	2.9		0.020	0.0096	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Antimony	0.0013 J		0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Arsenic	0.014		0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Barium	0.42 B		0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Beryllium	0.00021 J		0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Cadmium	0.0020		0.00050	0.000036	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Calcium	7.8		0.50	0.016	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Chromium	0.018		0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Cobalt	0.0016 J		0.00050	0.00016	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Copper	0.26		0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Iron	5.6		0.010	0.0049	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Lead	0.067		0.00030	0.00019	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Magnesium	2.5 B		0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Manganese	0.26		0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Nickel	0.086		0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Potassium	0.48 J		0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Selenium	0.00050 U		0.00050	0.00045	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Silver	0.0016		0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Sodium	0.35 J		0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Thallium	0.00071 J		0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Vanadium	0.0058		0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 16:08	1
Zinc	0.17		0.0050	0.0010	mg/wipe		07/29/13 12:59	07/30/13 16:08	1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: 809 OHIO-GREY MAIL BOX

Date Collected: 07/15/13 16:46

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-7

Matrix: Wipe

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	0.094		0.020	0.0096	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Antimony	0.00095 J		0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Arsenic	0.0063		0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Barium	0.011 JB		0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Beryllium	0.00050 U		0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Cadmium	0.00063		0.00050	0.000036	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Calcium	0.31 J		0.50	0.018	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Chromium	0.00096 J		0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Cobalt	0.00020 J		0.0050	0.00016	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Copper	0.0089		0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Iron	0.18		0.010	0.0049	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Lead	0.025		0.00030	0.00019	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Magnesium	0.068 JB		0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Manganese	0.0065		0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Nickel	0.018		0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Potassium	0.031 J		0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Selenium	0.00050 U		0.00050	0.00045	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Silver	0.00022 J		0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Sodium	0.26 J		0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Thallium	0.0010 U		0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Vanadium	0.00046 J		0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 16:13	1
Zinc	0.048		0.0050	0.0010	mg/wipe		07/29/13 12:59	07/30/13 16:13	1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-27274-1

Project/Site: Heritage Thermal - TNE-130715-HW

Client Sample ID: RR SIGNAL-MULLBERRY

Lab Sample ID: 240-27274-8

Date Collected: 07/15/13 16:57

Matrix: Wipe

Date Received: 07/16/13 14:05

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	2.0		0.020	0.0096	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Antimony	0.0013 J		0.0060	0.00039	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Arsenic	0.0085		0.0010	0.00030	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Barium	0.031 B		0.020	0.00071	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Beryllium	0.00050 U		0.00050	0.000043	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Cadmium	0.0017		0.00050	0.00036	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Calcium	2.6		0.50	0.016	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Chromium	0.0077		0.0010	0.00020	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Cobalt	0.0014 J		0.0050	0.00016	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Copper	0.035		0.0025	0.00074	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Iron	1.7		0.010	0.0049	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Lead	0.056		0.00030	0.00019	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Magnesium	0.40 JB		0.50	0.0051	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Manganese	0.089		0.0015	0.00074	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Nickel	0.042		0.0040	0.00027	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Potassium	0.11 J		0.50	0.0062	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Selenium	0.00050 U		0.00050	0.00045	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Silver	0.00046 J		0.0010	0.00010	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Sodium	0.28 J		0.50	0.066	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Thallium	0.0010 U		0.0010	0.00055	mg/wipe	07/29/13 12:58	07/30/13 16:19		1
Vanadium	0.0023 J		0.0050	0.00012	mg/wipe	07/29/13 12:59	07/30/13 16:19		1
Zinc	0.12		0.0050	0.0010	mg/wipe	07/29/13 12:59	07/30/13 16:19		1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: NITRIC ACID

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-9

Matrix: Waste

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil. Fac
Aluminum	19	U	19	9.1	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Antimony	0.95	U	0.95	0.37	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Arsenic	0.95	U	0.95	0.29	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Barium	0.21	J B	19	0.068	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Beryllium	0.48	U	0.48	0.041	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Cadmium	0.19	U	0.19	0.034	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Calcium	480	U	480	15	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Chromium	0.48	U	0.48	0.19	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Cobalt	4.8	U	4.8	0.15	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Copper	2.4	U	2.4	0.70	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Iron	9.5	U	9.5	4.7	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Lead	0.29	U	0.29	0.18	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Magnesium	14	J B	480	4.9	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Manganese	1.4	U	1.4	0.070	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Nickel	3.8	U	3.8	0.26	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Potassium	6.6	J B	480	5.9	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Selenium	0.48	U	0.48	0.43	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Silver	0.48	U	0.48	0.095	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Sodium	480	U	480	63	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Thallium	0.95	U	0.95	0.52	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Vanadium	4.8	U	4.8	0.11	mg/Kg	07/29/13 11:48	07/30/13 16:55		1
Zinc	4.1	J B	4.8	0.95	mg/Kg	07/29/13 11:48	07/30/13 16:55		1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: 1:1 NITRIC ACID

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-10

Matrix: Waste

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	19	U	19	9.1	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Antimony	0.95	U	0.95	0.37	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Arsenic	0.95	U	0.95	0.29	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Barium	0.15	J B	19	0.068	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Beryllium	0.48	U	0.48	0.041	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Cadmium	0.19	U	0.19	0.034	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Calcium	480	U	480	15	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Chromium	0.48	U	0.48	0.19	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Cobalt	4.8	U	4.8	0.15	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Copper	2.4	U	2.4	0.70	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Iron	9.5	U	9.5	4.7	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Lead	0.29	U	0.29	0.18	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Magnesium	14	J B	480	4.9	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Manganese	1.4	U	1.4	0.070	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Nickel	3.8	U	3.8	0.26	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Potassium	7.3	J B	480	5.9	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Selenium	0.48	U	0.48	0.43	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Silver	0.48	U	0.48	0.095	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Sodium	480	U	480	63	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Thallium	0.95	U	0.95	0.52	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Vanadium	4.8	U	4.8	0.11	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	
Zinc	4.8	U	4.8	0.95	mg/Kg	07/29/13 11:48	07/30/13 17:19	1	

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: HCL

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-11

Matrix: Waste

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil. Fac
Aluminum	19	U	19	9.2	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Antimony	0.96	U	0.96	0.38	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Arsenic	0.96	U	0.96	0.29	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Barium	0.27	J B	19	0.068	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Beryllium	0.48	U	0.48	0.041	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Cadmium	0.19	U	0.19	0.035	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Calcium	480	U	480	15	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Chromium	0.48	U	0.48	0.19	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Cobalt	4.8	U	4.8	0.15	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Copper	2.4	U	2.4	0.71	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Iron	9.6	U	9.6	4.7	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Lead	0.29	U	0.29	0.18	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Magnesium	14	J B	480	4.9	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Manganese	1.4	U	1.4	0.071	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Nickel	3.8	U	3.8	0.26	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Potassium	480	U	480	6.0	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Selenium	0.48	U	0.48	0.43	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Silver	0.48	U	0.48	0.096	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Sodium	480	U	480	63	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Thallium	0.96	U	0.96	0.53	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Vanadium	4.8	U	4.8	0.12	mg/Kg		07/29/13 11:48	07/30/13 17:25	1
Zinc	4.8	U	4.8	0.96	mg/Kg		07/29/13 11:48	07/30/13 17:25	1

TestAmerica Canton

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: GAUZE PAD

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-12

Matrix: Wipe

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Factor
Aluminum	0.020	U	0.020	0.0096	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Antimony	0.0060	U	0.0060	0.00039	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Arsenic	0.0010	U	0.0010	0.00030	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Barium	0.00051	J B	0.020	0.00071	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Beryllium	0.00050	U	0.00050	0.000043	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Cadmium	0.00050	U	0.00050	0.000036	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Calcium	0.045	J	0.50	0.016	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Chromium	0.0010	U	0.0010	0.00020	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Cobalt	0.00050	U	0.00050	0.00016	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Copper	0.0018	J	0.0025	0.00074	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Iron	0.0080	J	0.010	0.0049	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Lead	0.00031		0.00030	0.00019	mg/wipe	07/29/13 12:59	07/31/13 07:42		1
Magnesium	0.029	J B	0.50	0.0051	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Manganese	0.00025	J	0.0015	0.000074	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Nickel	0.00077	J	0.0040	0.00027	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Potassium	0.14	J	0.50	0.0062	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Selenium	0.00050	U	0.00050	0.00045	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Silver	0.0010	U	0.0010	0.00010	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Sodium	0.38	J	0.50	0.066	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Thallium	0.0010	U	0.0010	0.00055	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Vanadium	0.0050	U	0.0050	0.00012	mg/wipe	07/29/13 12:59	07/30/13 16:25		1
Zinc	0.0048	J	0.0050	0.0010	mg/wipe	07/29/13 12:59	07/30/13 16:25		1

Client Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: H2O2

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-13

Matrix: Waste

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil. Fac
Aluminum	18	U	18	0.8	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Antimony	0.92	U	0.92	0.36	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Arsenic	0.92	U	0.92	0.28	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Barium	0.26	J B	18	0.065	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Beryllium	0.46	U	0.46	0.039	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Cadmium	0.18	U	0.18	0.033	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Calcium	460	U	460	15	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Chromium	0.46	U	0.46	0.18	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Cobalt	4.6	U	4.6	0.15	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Copper	2.3	U	2.3	0.68	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Iron	9.2	U	9.2	4.5	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Lead	0.26	U	0.26	0.17	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Magnesium	13	J B	460	4.7	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Manganese	1.4	U	1.4	0.068	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Nickel	3.7	U	3.7	0.25	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Potassium	460	U	460	5.7	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Selenium	0.46	U	0.46	0.41	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Silver	0.46	U	0.46	0.092	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Sodium	460	U	460	61	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Thallium	0.92	U	0.92	0.50	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Vanadium	4.6	U	4.6	0.11	mg/Kg		07/29/13 11:48	07/30/13 17:31	1
Zinc	4.6	U	4.6	0.92	mg/Kg		07/29/13 11:48	07/30/13 17:31	1

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 240-95346/1-A

Matrix: Waste

Analysis Batch: 95627

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 95346

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	DR Fac
Aluminum	20	U	20	9.6	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Antimony	1.0	U	1.0	0.39	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Arsenic	1.0	U	1.0	0.30	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Barium	0.0724	J	20	0.071	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Beryllium	0.50	U	0.50	0.043	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Cadmium	0.20	U	0.20	0.036	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Calcium	21.0	J	500	16	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Chromium	0.50	U	0.50	0.20	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Cobalt	5.0	U	5.0	0.16	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Copper	2.5	U	2.5	0.74	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Iron	10	U	10	4.8	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Lead	0.30	U	0.30	0.19	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Magnesium	14.0	J	500	5.1	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Manganese	1.5	U	1.5	0.074	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Nickel	4.0	U	4.0	0.27	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Potassium	11.1	J	500	6.2	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Selenium	0.50	U	0.50	0.45	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Silver	0.50	U	0.50	0.10	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Sodium	500	U	500	66	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Thallium	1.0	U	1.0	0.55	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Vanadium	5.0	U	5.0	0.12	mg/Kg		07/29/13 11:48	07/30/13 16:43	1
Zinc	12.2		5.0	1.0	mg/Kg		07/29/13 11:48	07/30/13 16:43	1

Lab Sample ID: LCS 240-95346/2-A

Matrix: Waste

Analysis Batch: 95627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 95346

Analyte	Spike Added	LCS			D	%Rec	Limits	%Rec.
		Result	Qualifier	Unit				
Aluminum	200	195		mg/Kg		98	80 - 120	
Antimony	50.0	47.3		mg/Kg		95	80 - 120	
Arsenic	200	194		mg/Kg		97	80 - 120	
Barium	200	195		mg/Kg		98	80 - 120	
Beryllium	5.00	4.83		mg/Kg		97	80 - 120	
Cadmium	5.00	4.79		mg/Kg		96	80 - 120	
Calcium	5000	4950		mg/Kg		99	80 - 120	
Chromium	20.0	19.5		mg/Kg		98	80 - 120	
Cobalt	50.0	47.5		mg/Kg		95	80 - 120	
Copper	25.0	24.3		mg/Kg		97	80 - 120	
Iron	100	103		mg/Kg		103	80 - 120	
Lead	50.0	47.9		mg/Kg		96	80 - 120	
Magnesium	5000	4970		mg/Kg		99	80 - 120	
Manganese	50.0	49.3		mg/Kg		99	80 - 120	
Nickel	50.0	47.8		mg/Kg		96	80 - 120	
Potassium	5000	4940		mg/Kg		99	80 - 120	
Selenium	200	192		mg/Kg		96	80 - 120	
Silver	5.00	4.91		mg/Kg		98	80 - 120	
Sodium	5000	4950		mg/Kg		99	80 - 120	
Thallium	200	194		mg/Kg		97	80 - 120	

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-95346/2-A

Matrix: Waste

Analysis Batch: 95627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 95346

Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Vanadium		50.0	49.3		mg/Kg	99	80 - 120	
Zinc		50.0	54.9		mg/Kg	110	80 - 120	

Lab Sample ID: 240-27274-9 MS

Matrix: Waste

Analysis Batch: 95627

Client Sample ID: NITRIC ACID

Prep Type: Total/NA

Prep Batch: 95346

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec.
Aluminum	19	U	185	164		mg/Kg	89	75 - 125	
Antimony	0.95	U	46.3	40.3		mg/Kg	87	75 - 125	
Arsenic	0.95	U	185	163		mg/Kg	88	75 - 125	
Barium	0.21	JB	185	164		mg/Kg	89	75 - 125	
Beryllium	0.48	U	4.63	4.08		mg/Kg	88	75 - 125	
Cadmium	0.19	U	4.63	4.09		mg/Kg	88	75 - 125	
Calcium	480	U	4630	4170		mg/Kg	90	75 - 125	
Chromium	0.48	U	18.5	16.5		mg/Kg	89	75 - 125	
Cobalt	4.8	U	46.3	40.2		mg/Kg	87	75 - 125	
Copper	2.4	U	23.1	20.5		mg/Kg	89	75 - 125	
Iron	9.5	U	92.6	85.5		mg/Kg	92	75 - 125	
Lead	0.29	U	46.3	40.7		mg/Kg	88	75 - 125	
Magnesium	14	JB	4630	4210		mg/Kg	91	75 - 125	
Manganese	1.4	U	46.3	41.8		mg/Kg	90	75 - 125	
Nickel	3.8	U	46.3	40.3		mg/Kg	87	75 - 125	
Potassium	6.6	JB	4630	4170		mg/Kg	90	75 - 125	
Selenium	0.48	U	185	164		mg/Kg	89	75 - 125	
Silver	0.48	U	4.63	4.17		mg/Kg	90	75 - 125	
Sodium	480	U	4630	4200		mg/Kg	91	75 - 125	
Thallium	0.95	U	185	166		mg/Kg	89	75 - 125	
Vanadium	4.8	U	46.3	41.7		mg/Kg	90	75 - 125	
Zinc	4.1	JB	46.3	42.1		mg/Kg	82	75 - 125	

Lab Sample ID: 240-27274-9 MSD

Matrix: Waste

Analysis Batch: 95627

Client Sample ID: NITRIC ACID

Prep Type: Total/NA

Prep Batch: 95346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
Aluminum	19	U	185	178		mg/Kg	98	75 - 125		8	20
Antimony	0.95	U	46.3	43.4		mg/Kg	94	75 - 125		7	20
Arsenic	0.95	U	185	177		mg/Kg	95	75 - 125		8	20
Barium	0.21	JB	185	178		mg/Kg	98	75 - 125		8	20
Beryllium	0.48	U	4.63	4.40		mg/Kg	95	75 - 125		8	20
Cadmium	0.19	U	4.63	4.39		mg/Kg	95	75 - 125		7	20
Calcium	480	U	4630	4530		mg/Kg	98	75 - 125		8	20
Chromium	0.48	U	18.5	17.9		mg/Kg	98	75 - 125		8	20
Cobalt	4.8	U	46.3	43.5		mg/Kg	94	75 - 125		8	20
Copper	2.4	U	23.1	22.1		mg/Kg	98	75 - 125		8	20
Iron	9.5	U	92.6	93.4		mg/Kg	101	75 - 125		9	20
Lead	0.29	U	46.3	43.9		mg/Kg	95	75 - 125		7	20
Magnesium	14	JB	4630	4560		mg/Kg	98	75 - 125		8	20

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 240-27274-9 MSD										Client Sample ID: NITRIC ACID				
Matrix: Waste										Prep Type: Total/NA				
Analysis Batch: 95627										Prep Batch: 95346				
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD	Limit		
Manganese	1.4	U	46.3	45.0		mg/Kg		97	75 - 125	8	20			
Nickel	3.8	U	46.3	43.8		mg/Kg		94	75 - 125	8	20			
Potassium	6.6	J B	4630	4560		mg/Kg		98	75 - 125	9	20			
Selenium	0.48	U	185	176		mg/Kg		95	75 - 125	7	20			
Silver	0.48	U	4.63	4.51		mg/Kg		97	75 - 125	8	20			
Sodium	480	U	4630	4550		mg/Kg		98	75 - 125	8	20			
Thallium	0.95	U	185	178		mg/Kg		96	75 - 125	7	20			
Vanadium	4.8	U	46.3	44.9		mg/Kg		97	75 - 125	7	20			
Zinc	4.1	J B	46.3	46.1		mg/Kg		91	75 - 125	9	20			

Lab Sample ID: MB 240-95363/1-A

Matrix: Wipe

Analysis Batch: 95627

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 95363

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dif Fac
Aluminum	0.020	U	0.020	0.0096	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Antimony	0.0060	U	0.0060	0.00039	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Arsenic	0.0010	U	0.0010	0.00030	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Barium	0.0000891	J	0.020	0.000071	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Beryllium	0.00050	U	0.00050	0.000043	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Cadmium	0.00050	U	0.00050	0.000036	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Calcium	0.50	U	0.50	0.016	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Chromium	0.0010	U	0.0010	0.00020	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Cobalt	0.0050	U	0.0050	0.00016	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Copper	0.0025	U	0.0025	0.00074	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Iron	0.010	U	0.010	0.0049	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Lead	0.00030	U	0.00030	0.00019	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Magnesium	0.0148	J	0.50	0.0051	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Manganese	0.0015	U	0.0015	0.000074	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Nickel	0.0040	U	0.0040	0.00027	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Potassium	0.50	U	0.50	0.0062	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Selenium	0.00050	U	0.00050	0.00045	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Silver	0.0010	U	0.0010	0.00010	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Sodium	0.50	U	0.50	0.066	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Thallium	0.0010	U	0.0010	0.00055	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Vanadium	0.0050	U	0.0050	0.00012	mg/wipe		07/29/13 12:59	07/30/13 15:08	1
Zinc	0.0050	U	0.0050	0.0010	mg/wipe		07/29/13 12:59	07/30/13 15:08	1

Lab Sample ID: LCS 240-95363/2-A

Matrix: Wipe

Analysis Batch: 95627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 95363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Aluminum	0.200	0.195		mg/wipe		97	80 - 120
Antimony	0.0500	0.0471		mg/wipe		94	80 - 120
Arsenic	0.200	0.193		mg/wipe		96	80 - 120
Barium	0.200	0.194		mg/wipe		97	80 - 120
Beryllium	0.00500	0.00481		mg/wipe		96	80 - 120
Cadmium	0.00500	0.00477		mg/wipe		95	80 - 120

TestAmerica Canton

QC Sample Results

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 240-95363/2-A

Matrix: Wipe

Analysis Batch: 95627

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 95363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
Calcium	5.00	4.91		mg/wipe		98	80 - 120
Chromium	0.0200	0.0194		mg/wipe		97	80 - 120
Cobalt	0.0500	0.0474		mg/wipe		95	80 - 120
Copper	0.0250	0.0241		mg/wipe		96	80 - 120
Iron	0.100	0.104		mg/wipe		104	80 - 120
Lead	0.0500	0.0476		mg/wipe		95	80 - 120
Magnesium	5.00	4.95		mg/wipe		99	80 - 120
Manganese	0.0500	0.0490		mg/wipe		98	80 - 120
Nickel	0.0500	0.0476		mg/wipe		95	80 - 120
Potassium	5.00	4.95		mg/wipe		99	80 - 120
Selenium	0.200	0.191		mg/wipe		96	80 - 120
Silver	0.00500	0.00489		mg/wipe		98	80 - 120
Sodium	5.00	4.95		mg/wipe		99	80 - 120
Thallium	0.200	0.192		mg/wipe		96	80 - 120
Vanadium	0.0500	0.0489		mg/wipe		98	80 - 120
Zinc	0.0500	0.0489		mg/wipe		98	80 - 120

TestAmerica Canton

QC Association Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Metals

Prep Batch: 95346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27274-9	NITRIC ACID	Total/NA	Waste	3050B	
240-27274-9 MS	NITRIC ACID	Total/NA	Waste	3050B	
240-27274-9 MSD	NITRIC ACID	Total/NA	Waste	3050B	
240-27274-10	1:1 NITRIC ACID	Total/NA	Waste	3050B	
240-27274-11	HCL	Total/NA	Waste	3050B	
240-27274-13	H2O2	Total/NA	Waste	3050B	
LCS 240-95346/2-A	Lab Control Sample	Total/NA	Waste	3050B	
MB 240-95346/1-A	Method Blank	Total/NA	Waste	3050B	

Prep Batch: 95363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27274-1	1147 OHIO-SLIDE	Total/NA	Wipe	3050B	
240-27274-2	CENTRAL+OHIO-CHEVY S-10	Total/NA	Wipe	3050B	
240-27274-3	VIRGINA (N OF ALLEY)	Total/NA	Wipe	3050B	
240-27274-4	GREEN METER PANEL MULB+ST GEORGE	Total/NA	Wipe	3050B	
240-27274-5	2008 NEEDHAM BASKETBALL HOOP BASE	Total/NA	Wipe	3050B	
240-27274-6	AKRON+OHIO BASKETBALL HOOP BASE	Total/NA	Wipe	3050B	
240-27274-7	809 OHIO-GREY MAIL BOX	Total/NA	Wipe	3050B	
240-27274-8	RR SIGNAL-MULLBERRY	Total/NA	Wipe	3050B	
240-27274-12	GAUZE PAD	Total/NA	Wipe	3050B	
LCS 240-95363/2-A	Lab Control Sample	Total/NA	Wipe	3050B	
MB 240-95363/1-A	Method Blank	Total/NA	Wipe	3050B	

Analysis Batch: 95627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
240-27274-1	1147 OHIO-SLIDE	Total/NA	Wipe	6010B	95363
240-27274-1	1147 OHIO-SLIDE	Total/NA	Wipe	6010B	95363
240-27274-2	CENTRAL+OHIO-CHEVY S-10	Total/NA	Wipe	6010B	95363
240-27274-2	CENTRAL+OHIO-CHEVY S-10	Total/NA	Wipe	6010B	95363
240-27274-3	VIRGINA (N OF ALLEY)	Total/NA	Wipe	6010B	95363
240-27274-3	VIRGINA (N OF ALLEY)	Total/NA	Wipe	6010B	95363
240-27274-3	VIRGINA (N OF ALLEY)	Total/NA	Wipe	6010B	95363
240-27274-4	GREEN METER PANEL MULB+ST GEORGE	Total/NA	Wipe	6010B	95363
240-27274-4	GREEN METER PANEL MULB+ST GEORGE	Total/NA	Wipe	6010B	95363
240-27274-5	2008 NEEDHAM BASKETBALL HOOP BASE	Total/NA	Wipe	6010B	95363
240-27274-5	2008 NEEDHAM BASKETBALL HOOP BASE	Total/NA	Wipe	6010B	95363
240-27274-5	2008 NEEDHAM BASKETBALL HOOP BASE	Total/NA	Wipe	6010B	95363
240-27274-6	AKRON+OHIO BASKETBALL HOOP BASE	Total/NA	Wipe	6010B	95363
240-27274-7	809 OHIO-GREY MAIL BOX	Total/NA	Wipe	6010B	95363
240-27274-8	RR SIGNAL-MULLBERRY	Total/NA	Wipe	6010B	95363
240-27274-9	NITRIC ACID	Total/NA	Waste	6010B	95346
240-27274-9 MS	NITRIC ACID	Total/NA	Waste	6010B	95346
240-27274-9 MSD	NITRIC ACID	Total/NA	Waste	6010B	95346
240-27274-10	1:1 NITRIC ACID	Total/NA	Waste	6010B	95346
240-27274-11	HCL	Total/NA	Waste	6010B	95346
240-27274-12	GAUZE PAD	Total/NA	Wipe	6010B	95363
240-27274-12	GAUZE PAD	Total/NA	Wipe	6010B	95363
240-27274-13	H2O2	Total/NA	Waste	6010B	95346
LCS 240-95346/2-A	Lab Control Sample	Total/NA	Waste	6010B	95346
LCS 240-95363/2-A	Lab Control Sample	Total/NA	Wipe	6010B	95363
MB 240-95346/1-A	Method Blank	Total/NA	Waste	6010B	95346

TestAmerica Canton

QC Association Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Metals (Continued)

Analysis Batch: 95627 (Continued)

Lab Sample ID MB 240-95363/1-A	Client Sample ID Method Blank	Prep Type Total/NA	Matrix Wipe	Method 6010B	Prep Batch 95363
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TestAmerica Canton

Lab Chronicle

Client: Ohio EPA-NEDO

TestAmerica Job ID: 240-27274-1

Project/Site: Heritage Thermal - TNE-130715-HW

Client Sample ID: 1147 OHIO-SLIDE

Lab Sample ID: 240-27274-1

Date Collected: 07/15/13 16:00

Matrix: Wipe

Date Received: 07/16/13 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		10	95627	07/31/13 06:41	KLC	TAL CAN
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 15:32	KLC	TAL CAN

Client Sample ID: CENTRAL+OHIO-CHEVY S-10

Lab Sample ID: 240-27274-2

Date Collected: 07/15/13 16:10

Matrix: Wipe

Date Received: 07/16/13 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		10	95627	07/31/13 06:53	KLC	TAL CAN
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 15:44	KLC	TAL CAN

Client Sample ID: VIRGINA (N OF ALLEY)

Lab Sample ID: 240-27274-3

Date Collected: 07/15/13 16:10

Matrix: Wipe

Date Received: 07/16/13 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	95627	07/31/13 07:11	KLC	TAL CAN
Total/NA	Analysis	6010B		5	95627	07/31/13 07:17	KLC	TAL CAN
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 15:50	KLC	TAL CAN

Client Sample ID: GREEN METER PANEL MULB+ST GEORGE

Lab Sample ID: 240-27274-4

Date Collected: 07/15/13 16:20

Matrix: Wipe

Date Received: 07/16/13 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/31/13 07:23	KLC	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 15:56	KLC	TAL CAN

Client Sample ID: 2008 NEEDHAM BASKETBALL HOOP BASE

Lab Sample ID: 240-27274-5

Date Collected: 07/15/13 16:20

Matrix: Wipe

Date Received: 07/16/13 14:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/31/13 07:28	KLC	TAL CAN
Total/NA	Analysis	6010B		5	95627	07/31/13 07:36	KLC	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 16:02	KLC	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Ohio EPA-NEDO
 Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: AKRON+OHIO BASKETBALL HOOP BASE

Date Collected: 07/15/13 16:39

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-6

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 16:08	KLC	TAL CAN

Client Sample ID: 809 OHIO-GREY MAIL BOX

Date Collected: 07/15/13 16:46

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-7

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 16:13	KLC	TAL CAN

Client Sample ID: RR SIGNAL-MULLBERRY

Date Collected: 07/15/13 16:57

Date Received: 07/16/13 14:05

Lab Sample ID: 240-27274-8

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 16:19	KLC	TAL CAN

Client Sample ID: NITRIC ACID

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-9

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95346	07/29/13 11:48	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 16:55	KLC	TAL CAN

Client Sample ID: 1:1 NITRIC ACID

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-10

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95346	07/29/13 11:48	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 17:19	KLC	TAL CAN

Client Sample ID: HCL

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-11

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95346	07/29/13 11:48	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 17:25	KLC	TAL CAN

TestAmerica Canton

Lab Chronicle

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Client Sample ID: GAUZE PAD

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-12

Matrix: Wipe

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95363	07/29/13 12:59	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/31/13 07:42	KLC	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 16:25	KLC	TAL CAN

Client Sample ID: H2O2

Date Collected: 07/19/13 10:00

Date Received: 07/22/13 13:48

Lab Sample ID: 240-27274-13

Matrix: Waste

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			95346	07/29/13 11:48	DEE	TAL CAN
Total/NA	Analysis	6010B		1	95627	07/30/13 17:31	KLC	TAL CAN

Laboratory References:

TAL CAN = TestAmerica Canton, 4101 Shuffel Street NW, North Canton, OH 44720, TEL (330)497-9396

Certification Summary

Client: Ohio EPA-NEDO

Project/Site: Heritage Thermal - TNE-130715-HW

TestAmerica Job ID: 240-27274-1

Laboratory: TestAmerica Canton

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	NELAP	9	01144CA	06-30-14
Connecticut	State Program	1	PH-0590	12-31-13
Florida	NELAP	4	E87225	06-30-14
Georgia	State Program	4	N/A	06-30-14
Illinois	NELAP	5	200004	07-31-13 *
Kansas	NELAP	7	E-10336	01-31-14
Kentucky	State Program	4	58	06-30-14
L-A-B	DoD ELAP		L2315	07-18-16
Minnesota	NELAP	5	039-999-348	12-31-13
Nevada	State Program	9	OH-000482008A	07-31-14
New Jersey	NELAP	2	OH001	06-30-14
New York	NELAP	2	10975	04-01-14
Ohio VAP	State Program	5	CL0024	01-19-14
Pennsylvania	NELAP	3	68-00340	08-31-13
Texas	NELAP	6		08-31-13
USDA	Federal		P330-11-00328	08-28-14
Virginia	NELAP	3	460175	09-14-13
Washington	State Program	10	C971	01-12-14
Wisconsin	State Program	5	999518190	08-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record
North Canton
 TestAmerica Laboratory location: DW INDUS MCR Other
 Regulatory program: CAA Project Manager: **FRANK ZINGALES**
 Telephone: **330-963-1108**

Client Details		Site Contact		Lab Contact		TestAmerica Laboratories, Inc.	
Company Name:	Address:	Telephone:	Fax:	Lab Contact:	Telephone:	COC No.:	Date:
OHIO EPA - DMRM	2110 E Aurora Rd.	330-963-1108		DENISE PAHL	330-966-9789	130715	01/01/2000
Project Name:	Project Number:	Method of Shipment/Carrier:	Shipping/Tracking No.:				
TWINSBURG, OH 44087	TAE-130715-HW	CLIENT	POS				
Phone:							
330-963-1200							
Sample Identification		Sample Date		Sample Time			
#	Location	Month	Year	AM	PM	AM	PM
3	1140 Ohio - slide	7/15	4pm	X		1	N
4	Central + Ohio - Chevy	2013	4:10 pm				
5	Central + Ohio - 810						
6	Virginia (No F Alen)						
7	Green Motor Park & Service						
8	2008 N. 9th ham bone						
9	basketball hoop base						
10	Akron + Ohio basketball hoop base						
11	800 Ohio - rectangular box						
12	RR Signal - Milleberry						
13	R.R. Signal - Milleberry						
Special Instructions/UC Requirements & Comments:		Sample A		Sample B		Comments	
<input type="checkbox"/> Non-Hazardous <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Volatiles		<input type="checkbox"/> Potent A <input type="checkbox"/> Potent B		<input type="checkbox"/> Received by <input type="checkbox"/> Prepared by <input type="checkbox"/> Disposed of <input type="checkbox"/> Return to Client <input type="checkbox"/> Return to Lab <input type="checkbox"/> Archive For <input type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Component: DEPA - DRUM <input type="checkbox"/> Component: DEPA - DRUM <input type="checkbox"/> Component: DEPA - DRUM	
Relating to:		Date Rec'd:		Date Prep'd:		Date Rec'd:	
Frank J. Wells		7/16/13		7/16/13		7/16/13	
John S. Wells		7/16/13		7/16/13		7/16/13	
John J. Zinck		7/16/13		7/16/13		7/16/13	

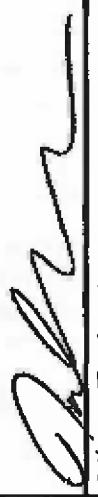
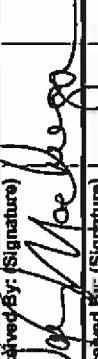
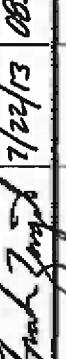
7/31/2013

Heritage Thermal Services

1250 Saint George Street
East Liverpool, OH 43920
(330) 385-7337 Fax:(330) 385-7815

CLIENT PROJECT MANAGER:
FRANK ZINGALES 330-963-1108
LAB CONTACT:
DENISE BOHL 330-966-9789

Chain-of-Custody Record

Project:	Project Name/Location	Analysis Requirements					
7NE-130715-HW	Heritage Thermal Services, Inc.						
Sampler's Signature:							
OHIO EPA - Dmwm 2110 E. AURORA RD TWINSBURG, OH 44087		SW46 6010 TOTAL METALS <i>3</i>					
Sample Description	Date	Time	Comp.	Grab	Sample ID Number	Remarks	
Nitric acid	7-19-2013	10:00				X X	
1M Nitric acid	7-19-2013	10:00				X X	
HCl	7/19/2013	10:00				X X	
Cs2+ Pd	7/19/2013	10:00				X X	
HCO ₃ ⁻	7/19/2013	10:00				X X	
Relinquished By: (Signature)	Date: 7/19/2013			Received By: (Signature)			Remarks: Original Accompanies Shipment; Copy Returned with Report
							
Relinquished By: (Signature)	Date: 7/19/13			Received By: (Signature)			
							
Relinquished By: (Signature)	Date: 7/22/13			Received By: (Signature)			
							

Frank Zingah 7/22/13 1348
Denise Bohl 7/22/13 1348

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login #: 3109-27274

Client <u>Ohio EPA - DIAWHR</u>	Site Name _____	Cooler unpacked by: <u>Deb W. Green</u>													
Cooler Received on <u>7/16/13</u>	Opened on <u>7/16/13</u>														
FedEx: 1 st Grd Exp UPS FAS Stetson	Client Drop Off TestAmerica Courier Other														
TestAmerica Cooler # _____	Foam Box Client Cooler Box Other _____														
Packing material used: Bubble Wrap Foam Plastic Bag	None Other _____														
COOLANT: Wet Ice Blue Ice Dry Ice Water	<u>None</u>														
<p>1. Cooler temperature upon receipt</p> <table> <tr> <td>IR GUN# A (CF -1 °C) Observed Cooler Temp.</td> <td>_____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> <td rowspan="4"><input type="checkbox"/> See Multiple Cooler Form</td> </tr> <tr> <td>IR GUN# 4 (CF 0 °C) Observed Cooler Temp.</td> <td><u>21.4</u> °C</td> <td>Corrected Cooler Temp. <u>21.4</u> °C</td> </tr> <tr> <td>IR GUN# 5 (CF +1 °C) Observed Cooler Temp.</td> <td>_____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> <tr> <td>IR GUN# 8 (CF -0 °C) Observed Cooler Temp.</td> <td>_____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> </table>			IR GUN# A (CF -1 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp. _____ °C	<input type="checkbox"/> See Multiple Cooler Form	IR GUN# 4 (CF 0 °C) Observed Cooler Temp.	<u>21.4</u> °C	Corrected Cooler Temp. <u>21.4</u> °C	IR GUN# 5 (CF +1 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp. _____ °C	IR GUN# 8 (CF -0 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp. _____ °C
IR GUN# A (CF -1 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp. _____ °C	<input type="checkbox"/> See Multiple Cooler Form												
IR GUN# 4 (CF 0 °C) Observed Cooler Temp.	<u>21.4</u> °C	Corrected Cooler Temp. <u>21.4</u> °C													
IR GUN# 5 (CF +1 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp. _____ °C													
IR GUN# 8 (CF -0 °C) Observed Cooler Temp.	_____ °C	Corrected Cooler Temp. _____ °C													
<p>2. Were custody seals on the outside of the cooler(s)? If Yes Quantity _____</p> <ul style="list-style-type: none"> -Were custody seals on the outside of the cooler(s) signed & dated? <u>Yes</u> <u>No</u> -Were custody seals on the bottle(s)? <u>Yes</u> <u>No</u> 															
<p>3. Shippers' packing slip attached to the cooler(s)? <u>Yes</u> <u>No</u></p>															
<p>4. Did custody papers accompany the sample(s)? <u>Yes</u> <u>No</u></p>															
<p>5. Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> <u>No</u></p>															
<p>6. Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> <u>No</u></p>															
<p>7. Could all bottle labels be reconciled with the COC? <u>Yes</u> <u>No</u></p>															
<p>8. Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> <u>No</u></p>															
<p>9. Sufficient quantity received to perform indicated analyses? <u>Yes</u> <u>No</u></p>															
<p>10. Were sample(s) at the correct pH upon receipt? <u>Yes</u> <u>No</u> NA pH Strip Lot# <u>HC376062</u></p>															
<p>11. Were VOAs on the COC? <u>Yes</u> <u>No</u></p>															
<p>12. Were air bubbles >6 mm in any VOA vials? <u>Yes</u> <u>No</u> NA</p>															
<p>13. Was a trip blank present in the cooler(s)? <u>Yes</u> <u>No</u></p>															
Contacted PM _____ Date _____ by _____	via Verbal Voice Mail Other														
Concerning _____															

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES	Samples processed by: <u>Paul K.</u>
<u>High-temp, ok, samples taken straight from field</u>	
<p>15. SAMPLE CONDITION</p> <p>Sample(s) _____ were received after the recommended holding time had expired.</p> <p>Sample(s) _____ were received in a broken container.</p> <p>Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)</p>	
<p>16. SAMPLE PRESERVATION</p> <p>Sample(s) _____ were further preserved in the laboratory.</p> <p>Time preserved: _____ Preservative(s) added/Lot number(s): _____</p>	

TestAmerica Canton Sample Receipt Form/Narrative
Canton Facility

Login # : 27109-27274

Client <u>OEPA</u>	Site Name <u>Heritage</u>	Cooler unpacked by: <u>Terry Burns</u>									
Cooler Received on <u>7/22/13</u>	Opened on <u>7/22/13</u>										
FedEx: 1 st Grd Exp UPS FAS Stetson	Client Drop Off TestAmerica Courier Other										
TestAmerica Cooler # _____	Foam Box Client Cooler Box Other _____										
Packing material used: <u>Bubble Wrap</u> Foam Plastic Bag	None Other _____										
COOLANT: Wet Ice Blue Ice Dry Ice Water	<u>None</u>										
<p>1. Cooler temperature upon receipt</p> <table> <tr> <td>IR GUN# A (CF -1 °C) Observed Cooler Temp <u>23.4</u> °C</td> <td>Corrected Cooler Temp <u>22.4</u> °C</td> <td rowspan="4"><input type="checkbox"/> See Multiple Cooler Form</td> </tr> <tr> <td>IR GUN# 4 (CF 0 °C) Observed Cooler Temp. _____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> <tr> <td>IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> <tr> <td>IR GUN# 8 (CF -0 °C) Observed Cooler Temp. _____ °C</td> <td>Corrected Cooler Temp. _____ °C</td> </tr> </table> <p>2. Were custody seals on the outside of the cooler(s)? If Yes Quantity <u>2</u></p> <p>-Were custody seals on the outside of the cooler(s) signed & dated? <u>Yes</u> No <u>Yes</u> No NA <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No</p> <p>-Were custody seals on the bottle(s)? <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No</p> <p>3. Shippers' packing slip attached to the cooler(s)? <u>Yes</u> No <u>Yes</u> No</p> <p>4. Did custody papers accompany the sample(s)? <u>Yes</u> No <u>Yes</u> No</p> <p>5. Were the custody papers relinquished & signed in the appropriate place? <u>Yes</u> No <u>Yes</u> No</p> <p>6. Did all bottles arrive in good condition (Unbroken)? <u>Yes</u> No <u>Yes</u> No</p> <p>7. Could all bottle labels be reconciled with the COC? <u>Yes</u> No <u>Yes</u> No</p> <p>8. Were correct bottle(s) used for the test(s) indicated? <u>Yes</u> No <u>Yes</u> No</p> <p>9. Sufficient quantity received to perform indicated analyses? <u>Yes</u> No <u>Yes</u> No</p> <p>10. Were sample(s) at the correct pH upon receipt? Yes No NA pH Strip Lot# <u>HC376062</u></p> <p>11. Were VOAs on the COC? Yes No <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No</p> <p>12. Were air bubbles >6 mm in any VOA vials? Yes No <u>Yes</u> No <u>Yes</u> No <u>Yes</u> No</p> <p>13. Was a trip blank present in the cooler(s)? Yes No <u>Yes</u> No</p>			IR GUN# A (CF -1 °C) Observed Cooler Temp <u>23.4</u> °C	Corrected Cooler Temp <u>22.4</u> °C	<input type="checkbox"/> See Multiple Cooler Form	IR GUN# 4 (CF 0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C	IR GUN# 8 (CF -0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C
IR GUN# A (CF -1 °C) Observed Cooler Temp <u>23.4</u> °C	Corrected Cooler Temp <u>22.4</u> °C	<input type="checkbox"/> See Multiple Cooler Form									
IR GUN# 4 (CF 0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C										
IR GUN# 5 (CF +1 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C										
IR GUN# 8 (CF -0 °C) Observed Cooler Temp. _____ °C	Corrected Cooler Temp. _____ °C										
Contacted PM _____ Date _____ by _____ via Verbal Voice Mail Other _____											

13

14. CHAIN OF CUSTODY & SAMPLE DISCREPANCIES

Samples processed by:

High temp OK

15. SAMPLE CONDITION

Sample(s) _____ were received after the recommended holding time had expired.

Sample(s) _____ were received in a broken container.

Sample(s) _____ were received with bubble >6 mm in diameter. (Notify PM)

16. SAMPLE PRESERVATION

Sample(s) _____ were further preserved in the laboratory.

Time preserved: _____ Preservative(s) added/Lot number(s): _____

